

## **ABSTRACT**

Stable and automated recovery of an application executing on a primary computer system by transitioning to a secondary computer system is provided. Intelligent agents installed on a primary client server allow the primary environment  
5 to be replicated on a host, secondary environment. This creates continuous availability of applications executing on the primary system via the mirrored host environment. Every transaction on the client environment (*e.g.*, every piece of data) is replicated in real-time on the host environment. A simple mechanism (*e.g.*, a button) is provided to allow access to the secondary environment thereby switching over from the client  
10 environment to the host environment in the case of, with respect to the primary environment, a disaster, a need to perform maintenance, system failure and the like.